

ABSTRACT

First, monochromatic near infrared light in a wavelength range of 700nm -
5 1100nm from the slit of the near infrared apparatus 1 is applied to a reference ceramic
plate through the optical fiber 7 to measure a transmitted light intensity of the ceramic
plate which is a reference material for spectrum measurement. Next, in place of the
ceramic plate, the test tube 4 containing a liquid sample of which the temperature has
been adjusted at a predetermined temperature by a water bath and the like is inserted
10 into the housing portion 5. The transmitted light intensity of the liquid sample is then
measured using the same procedure as above. A so-called near infrared absorption
spectrum in which absorbance has been plotted against wavelengths is displayed on the
screen of the computer 2. Information about each object characteristic is extracted from
the spectrum data using a calibration equation.

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